



10' Octagon Gazebo #E two-tiered roof for an uneven patio

## Assembly Instructions



10-OCT-E-CUPOLA



10-OCT-E

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**SAMS GAZEBOS™**

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Customer Service: (800) 376-7267   [info@sams-gazebos.com](mailto:info@sams-gazebos.com)

Monday ~ Friday: 8:00~ 6:00, Saturday: 10:00 ~ 4:00 (Pacific Standard Time)



## Introduction

Thank you for purchasing SamsGazebos™ products. These instructions include helpful hints and information necessary to safely assemble and properly maintain the gazebo for many years of enjoyment. Please read instructions completely before you begin. This gazebo has been designed for easy assembly with nominal pre-assembled parts for an uneven patio. All steps can be completed in five hours by two people. If you have a level floor such as wood deck, e-mail us at [info@samsgazebos.com](mailto:info@samsgazebos.com) at the time of order; we can make all posts same height with hardware necessary at no extra charge. At least a 10' x 10' (11' in diameter) foundation or a 10' 7" x 10' 7" area for the overhang is required.

## Before Assembly

1. Make sure you have all the parts. Compare the contents of the crate to the List of the Parts. If any parts are missing or you have any questions, please contact Customer Service at (800) 376-7267.
2. Lay out the parts in separate staging area. We recommend you set aside the same parts together while you go through the list; this step will save you time and effort during assembly.
3. Select a location for your gazebo. Choose any area of your hard surfaced patio or cement pad. Trim down overhanging trees and avoid underground pipes or cables before assembling the gazebo.
4. Check with your local building authorities regarding any required building permits.
5. Prepare the tools and read the manuals.
6. Adjust sprinklers if necessary.

## Tools Required

- ◊ 8' Ladder
- ◊ Level
- ◊ Tape Measure
- ◊ Hammer
- ◊ Square
- ◊ Pencil
- ◊ Socket Wrench
- ◊ Cordless Screw Driver & 1/8" or 3/16" Cordless Drill bit (to drill for lag bolts)
- ◊ Miter Saw / Circular Saw/ Handsaw (to adjust posts)
- ◊ Power Drill & 3/8" drill bit (if installed on a cement pad)
- ◊ (other) Bloom, Work Gloves, Safety Goggles, Masking Tape, Sledge Hammer

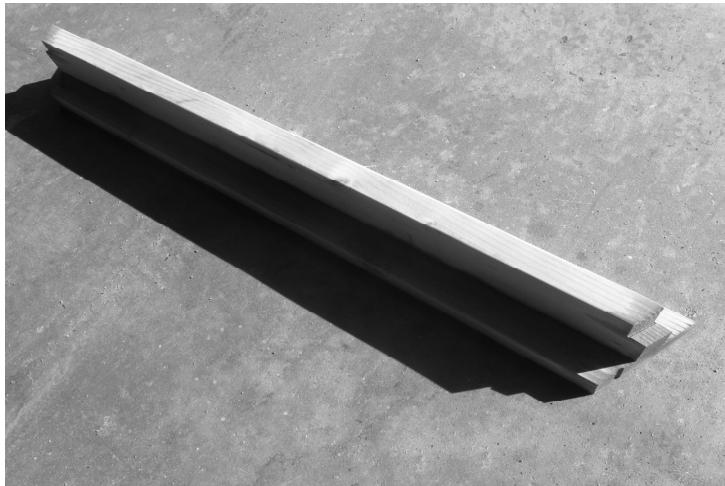
**\*This kit is partially treated with an oil based semi-transparent brown wood preservative.**

**Please wash hand after handling. The color will fade over time.**

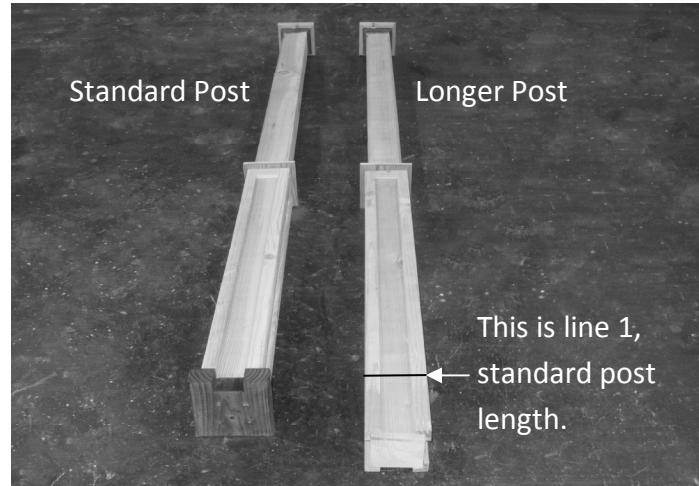
# 10' Octagon Gazebo #E two-tiered roof



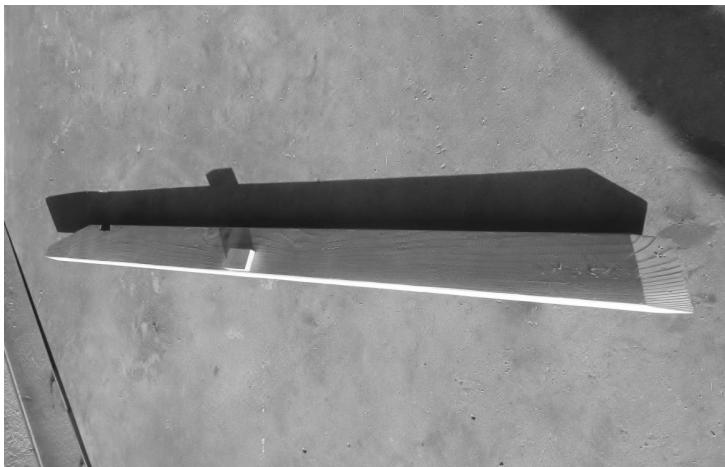
## List of Parts



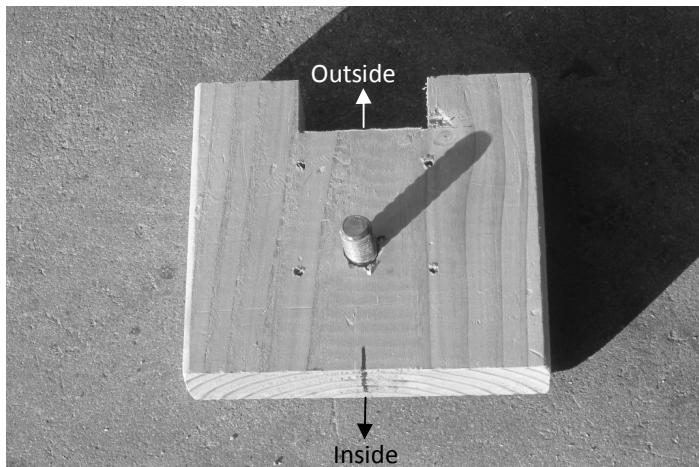
8 Headers



8 Posts: 1 standard and 7 longer



8 Large Rafters

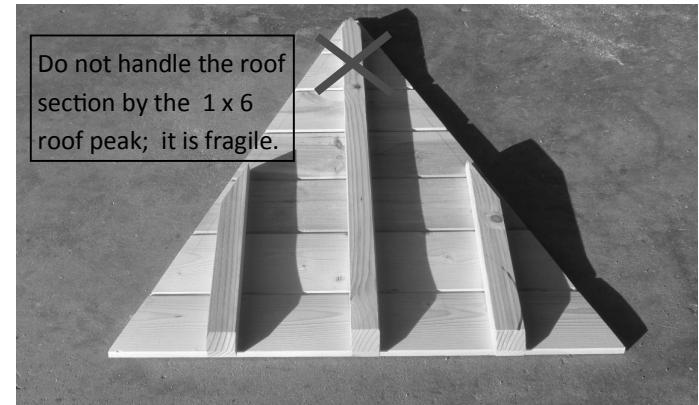


8 Post Bases

(One is fastened to the standard post.)



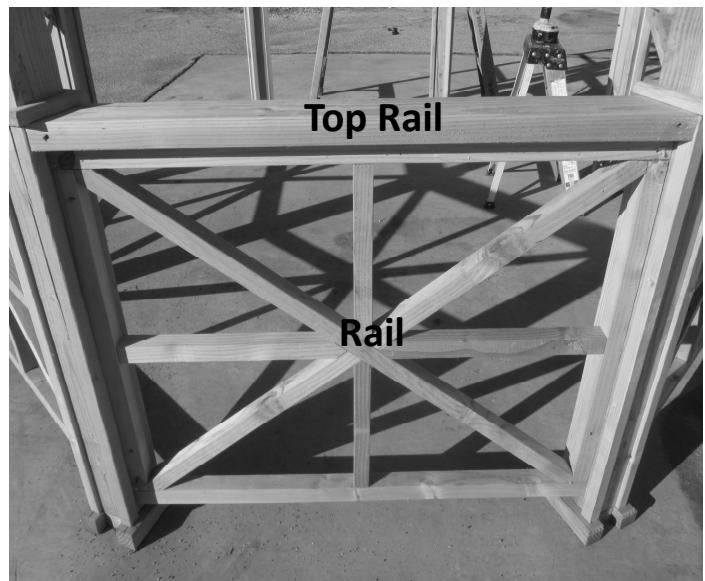
8 Lower Roof Panels



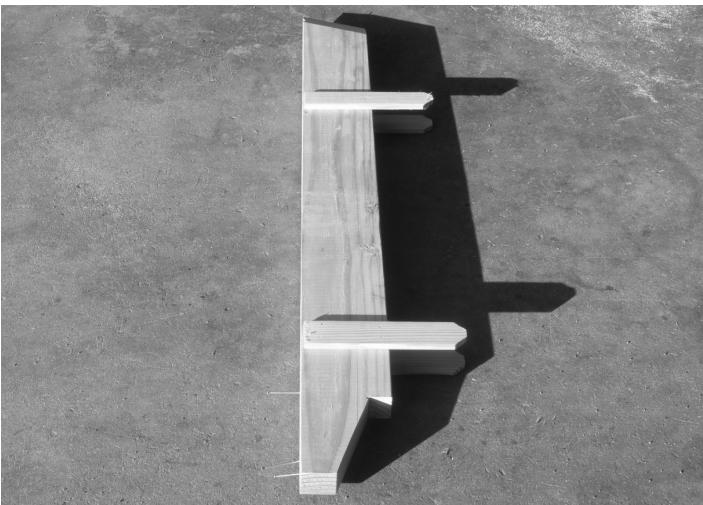
8 Upper Roof Panels



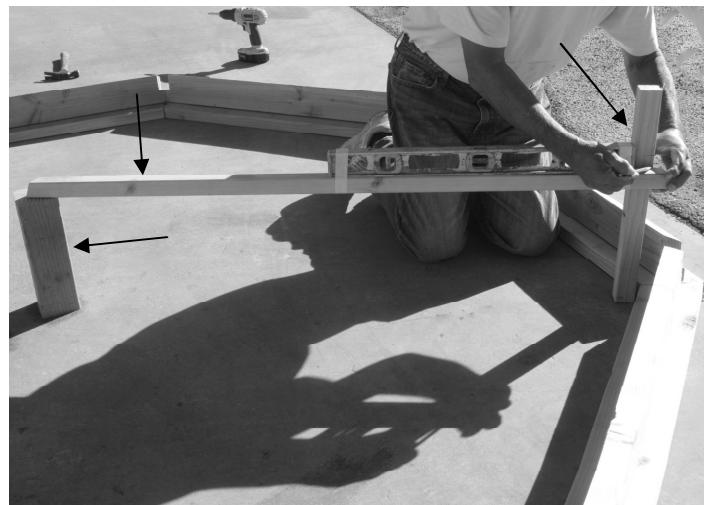
16 Corbels (8 right & 8 left)



5 Rails & 5 Top Rails



8 Small Rafters for Upper Roof Panels



2 Wood Pieces, 1 small and 1 large, & 1 small 4x4 for leveling



8 Hanger Bolts (fastened to the posts)

16 Washers (8 Large, 8 Small) & 8 Nuts



8 Temporary Post Holders  
8 Upper Roof Panels



2 Temporary Rail Holders



1 Cupola (optional)



8 3/8" Lag Bolts & Washers



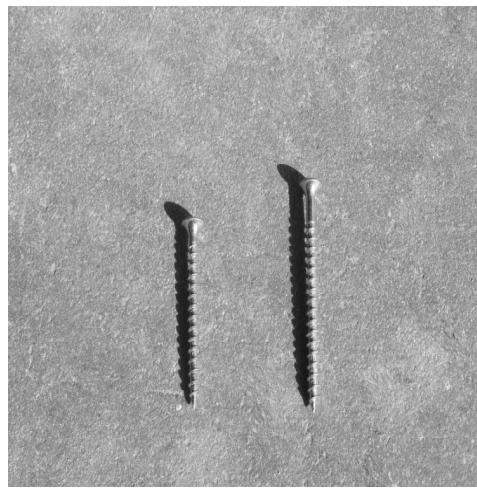
8 "L" Post Connectors



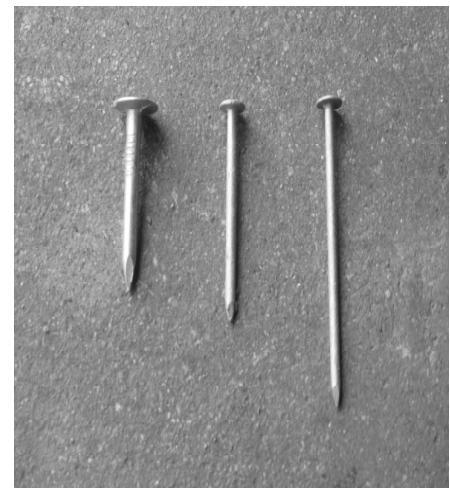
8 3/8" Wedge Anchors,  
Washers, & Nuts



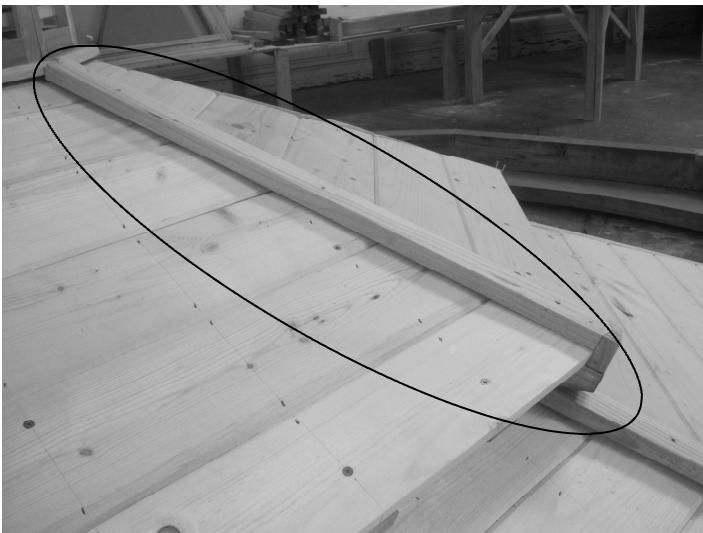
8 Header Connectors



Screws: 32 Small for the bottom  
of the roof panels & 187 Large  
for everywhere else



Nails : 32 Small for the Header  
Connectors, 32 Medium for  
the Upper Rafters, & 272  
Large for everywhere else



Bonus:

### 16 Temporary Ridges

Install them until you install your roofing material

(8 large for the lower roof ridges &

8 small for the upper roof ridges)

**For additional water protections, you will also need:**

1 Roll of Roofing Paper

4 Bundles of Composite (Asphalt) Shingles (net 104 sq. ft. but you need 125 sq. ft. of the material. )

2 boxes of Ridge Glass (54 Linear Feet )

1 box of Roofing Nails

1 Utility knife

1 Staple Gun and Staples (for roofing paper)

1 Marker or Pencil

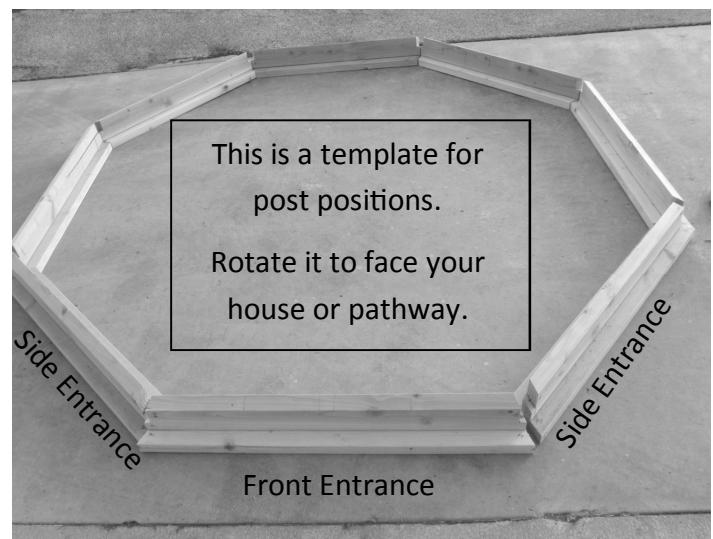
They are available at a local home improvement store.

4 bundles of Composite Shingles and 2 boxes of Ridge Glass will cover the cupola as well.

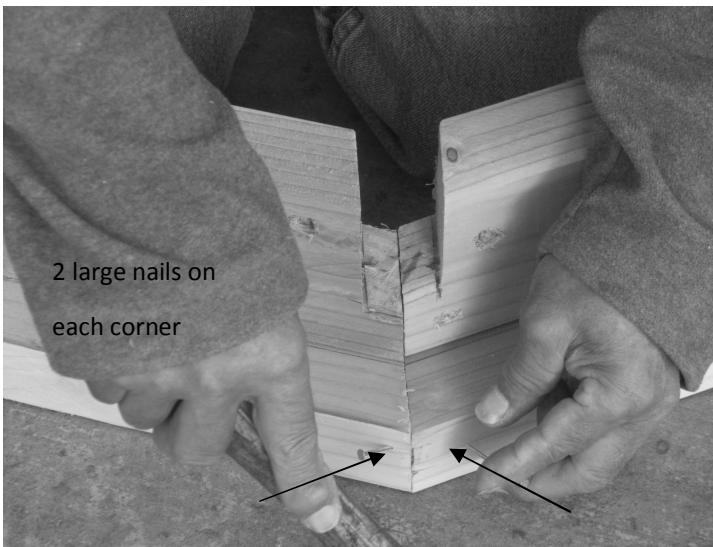
Please double the bottom layer for both composite shingles and ridge glass for the best result.



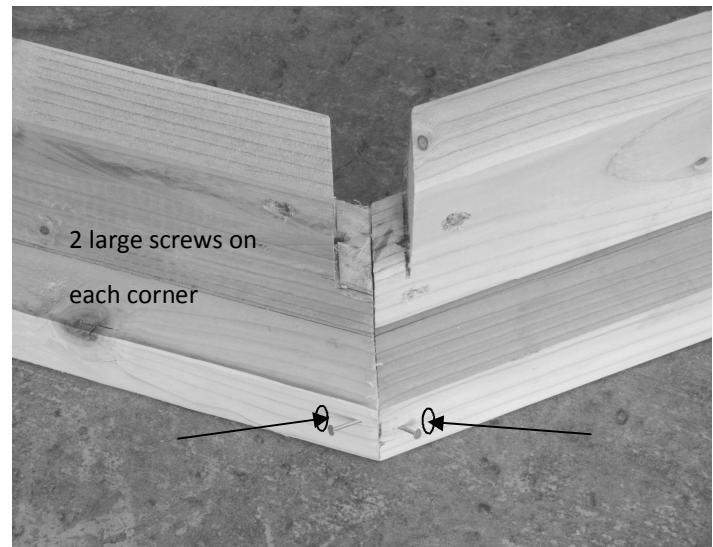
1. Sweep the area where the gazebo will be installed; it is easy to work on a patio without any debris.



2. Lay out the eight headers in an octagon shape. The gazebo has three entrances. Rotate them to your liking.



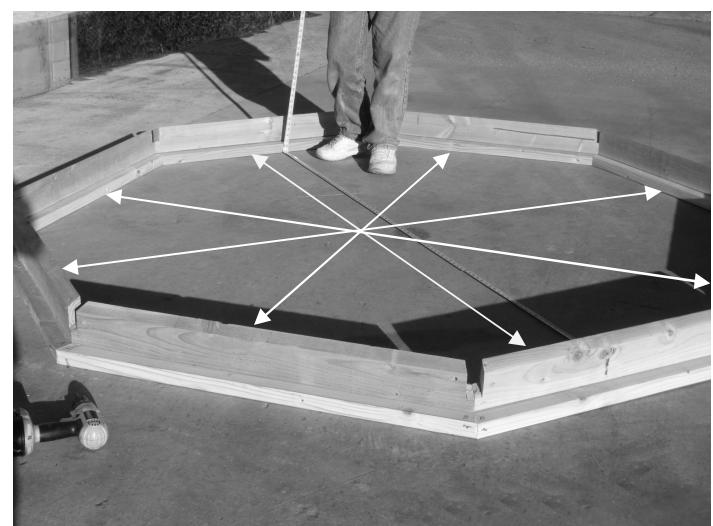
3. Fasten each of the headers together with large nails ONLY half way.



4. Fasten the headers with large screws. These nails and screws are temporary and are removed after leveling.



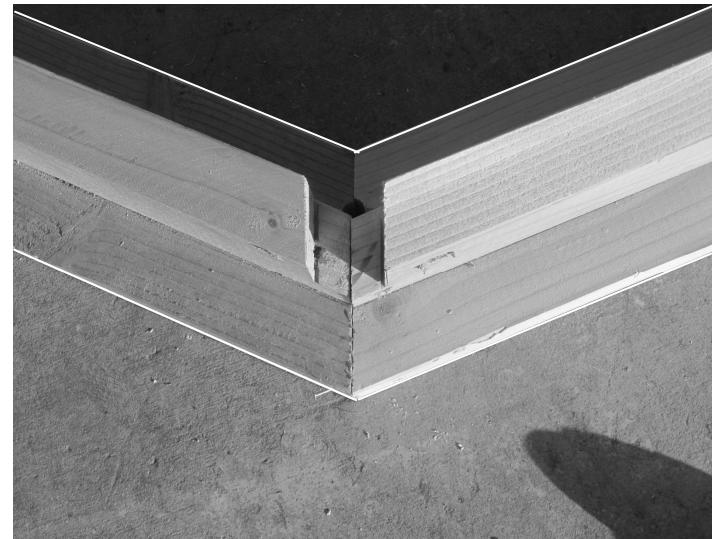
5. Repeat steps 3 and 4 for the remaining seven corners.



6. Measure the inside headers to make sure the eight headers form a perfect octagon. Adjust the header positions until the distances are all the same for optimal results.



7. Trace both the inside and the outside of the headers with a pencil. The lines will determine the permanent position of the gazebo.



8. Repeat step 7 for the other seven headers.



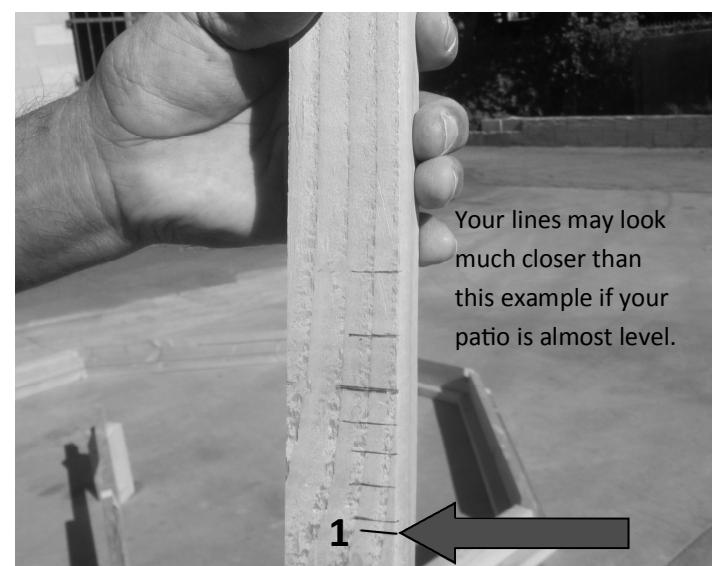
9. Put the small 4 x 4 around the center of the headers and trace it with a pencil. This should NOT be removed during the leveling.



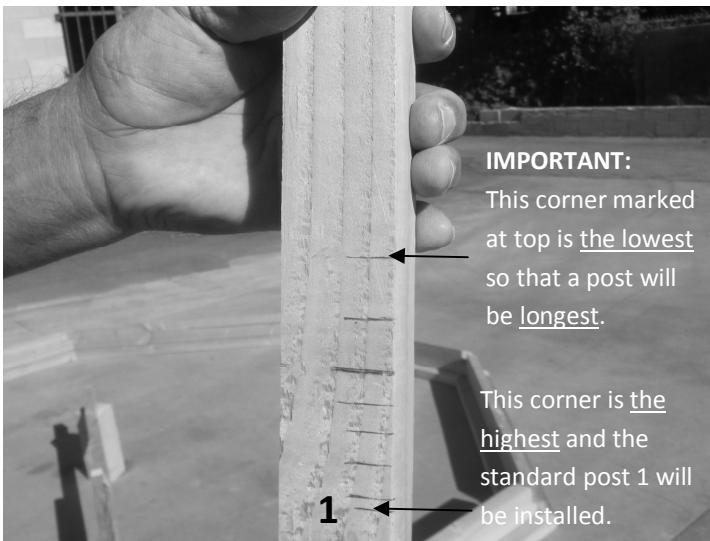
10. Begin to level each corner. Use the two included pieces of wood for leveling.



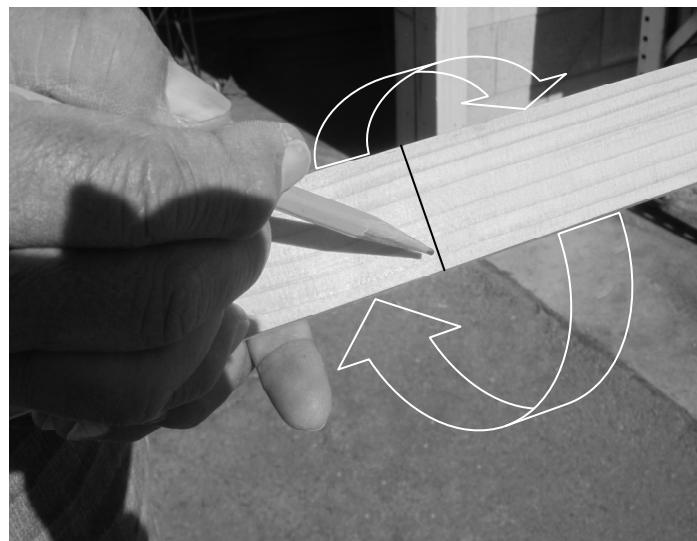
11. Check the level and mark the leveled horizontal line for each corner.



12. Continue to level until you have eight lines. Label the lowest line as "1".



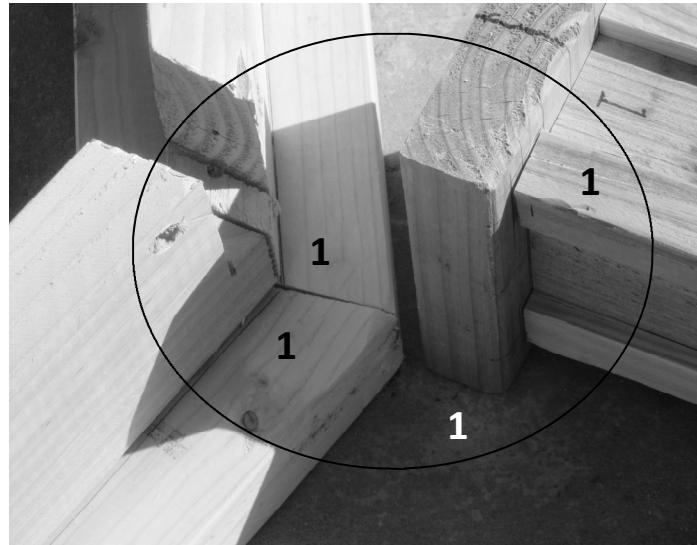
13. The lines indicate the height differences of the eight corners. You will adjust the posts in order to make up the differences later.



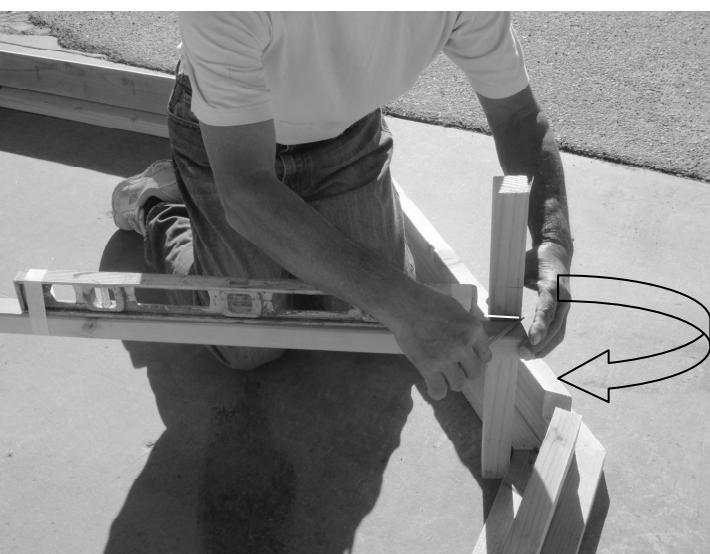
14. Using a square, extend the line you marked as "1" around the perimeter of the wood you have been marking in steps 12 &13.



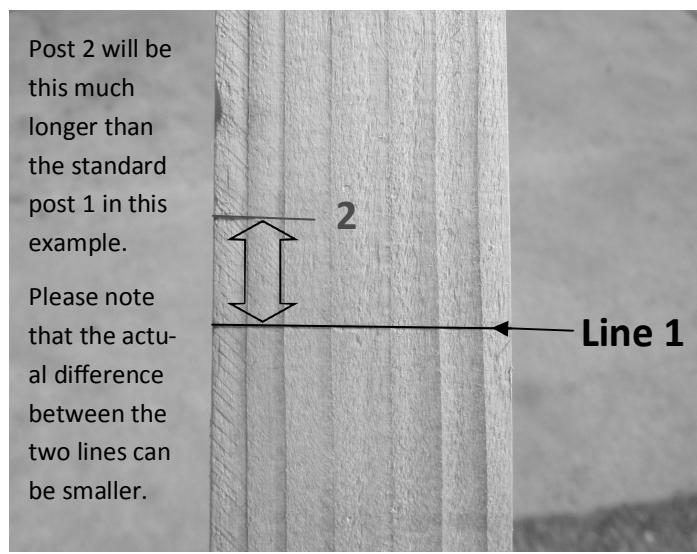
15. Using the level, find a corner for line 1. This corner should be the highest and installation point for the standard post 1.



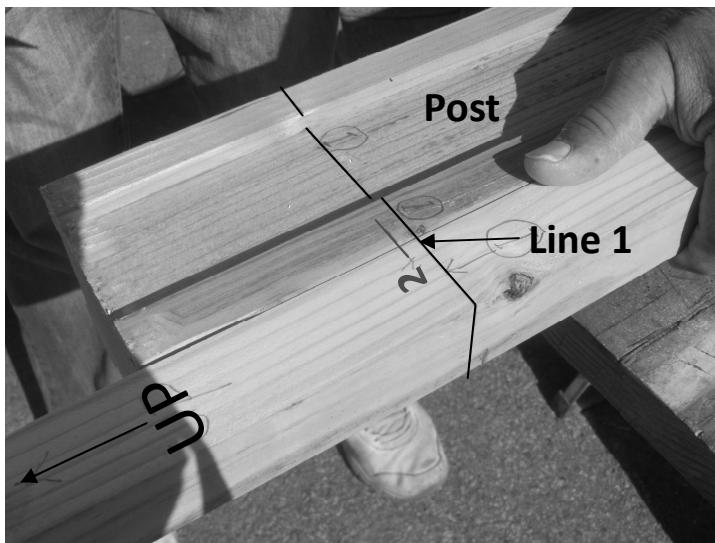
16. Label the headers, the corners of the patio "1" to avoid mistakes or confusion. Put standard post 1 next to them.



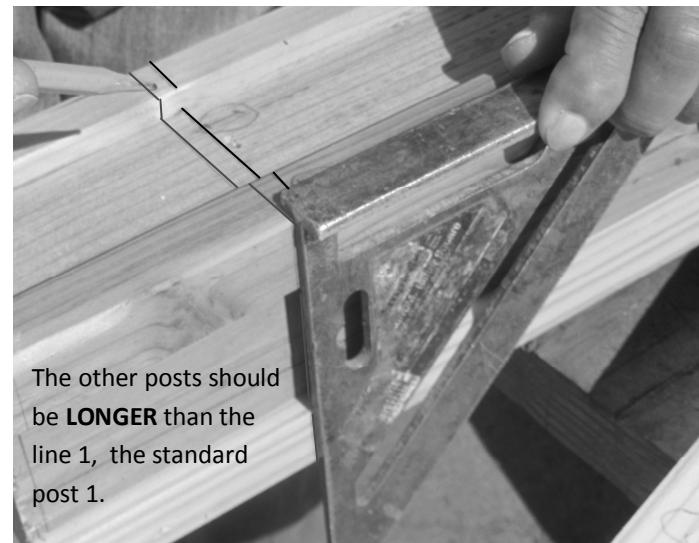
17. Go to the next corner. Flip the leveling wood piece to the other side to avoid confusion, mark the level, and label it "2".



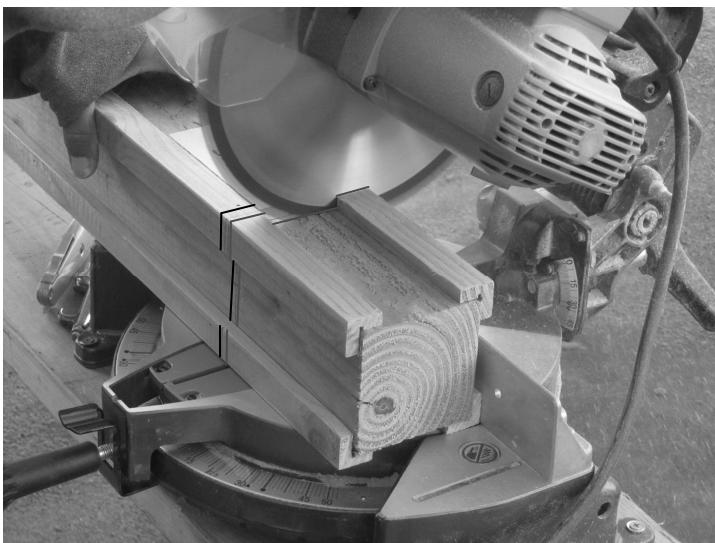
18. The line 2 (and the other lines) should be marked ABOVE line 1. If it is not, redo the step 10.



19. Lay the small leveling wood piece and a post together and align "line 1". Please note that line 2 should be **BELOW** line 1.



20. Extend the line 2 around the perimeter to the other sides of the post using a square. This is the line you will need to cut.



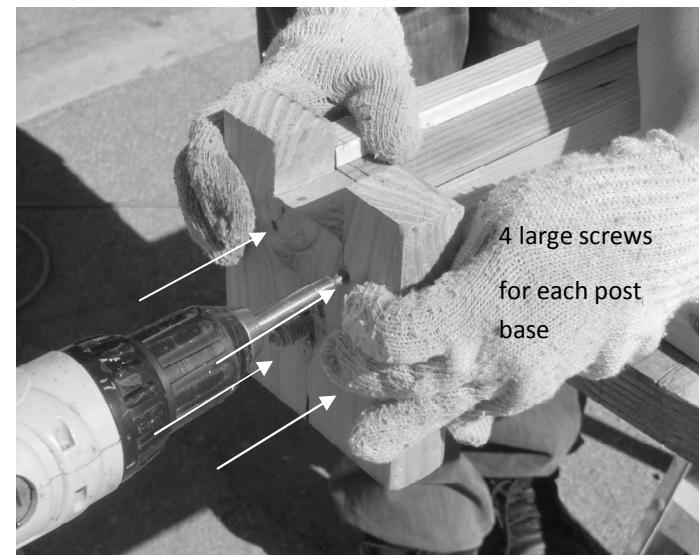
21. We recommend you cut the posts with a miter saw.



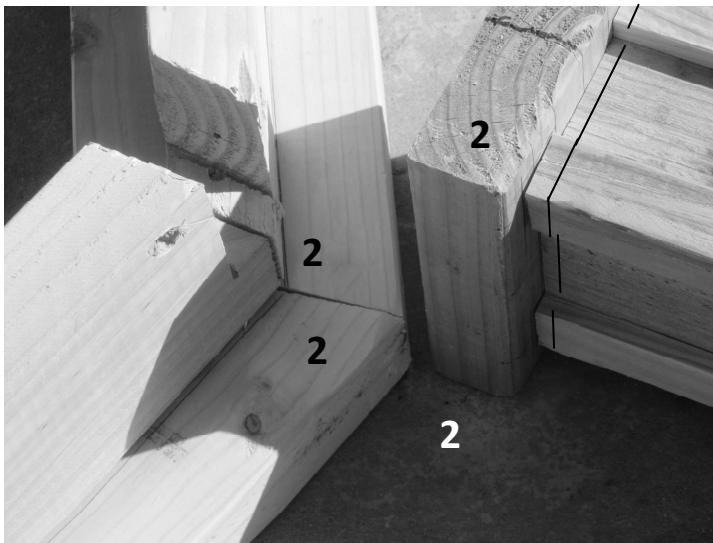
22. If you are using a circular saw, cut the post from side-to-side then rotate and proceed to cut through the post in this fashion.



23. Attach the post base to the bottom of the post. Align the outsides and the four corners.



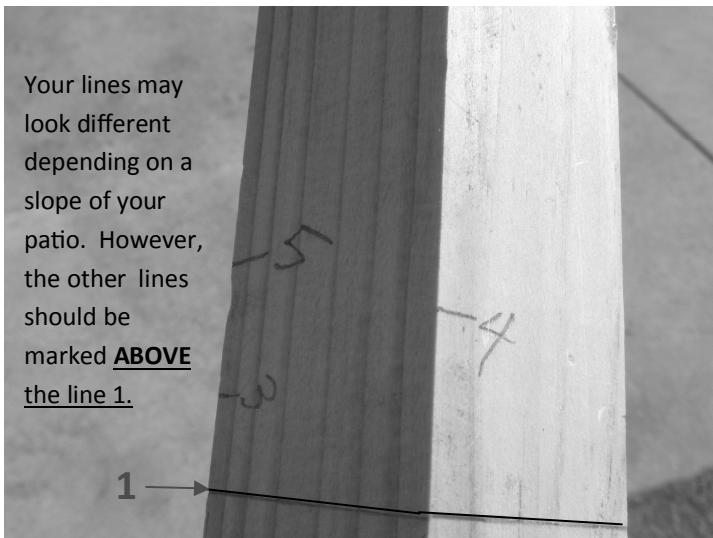
24. Fasten the post base to the bottom of the post with large screws.



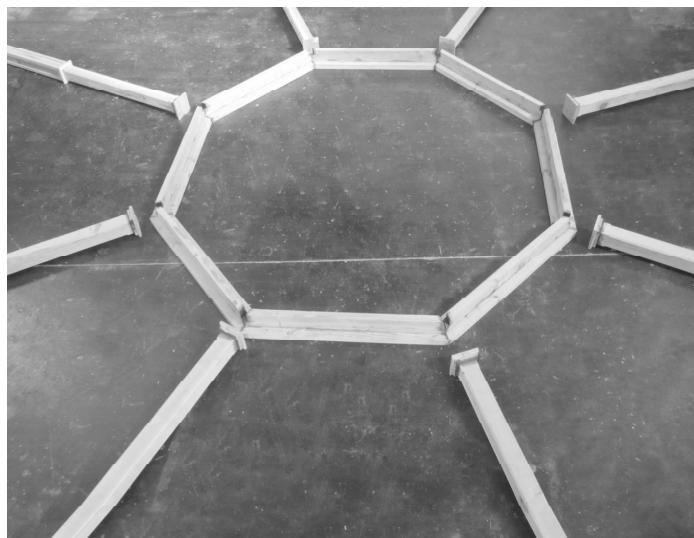
25. Label the post, headers, and the corners "2". Labeling them is the best way to avoid confusion.



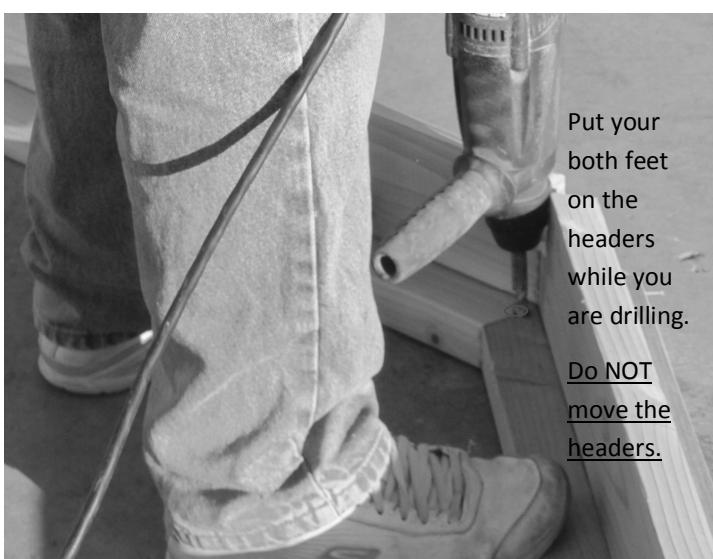
26. Go to the next corner and repeat steps 17~ 24 for posts 3 ~ 8, and label each post in the sequential numerical order.



27. A good way to keep track of marks is to rotate the leveling wood piece as you level.



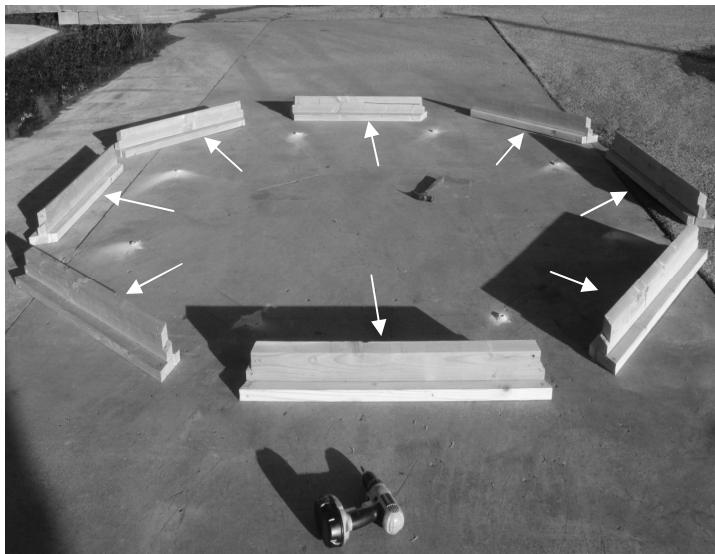
28. Now the seven posts are adjusted, post bases are fastened, and ready to install.



29. Drill a 3/8" hole into each corner into the cement to mark for the post base.



30. Repeat step 29 for the other seven posts.



31. Remove the temporary nails and screws from the headers and move the headers outwards.



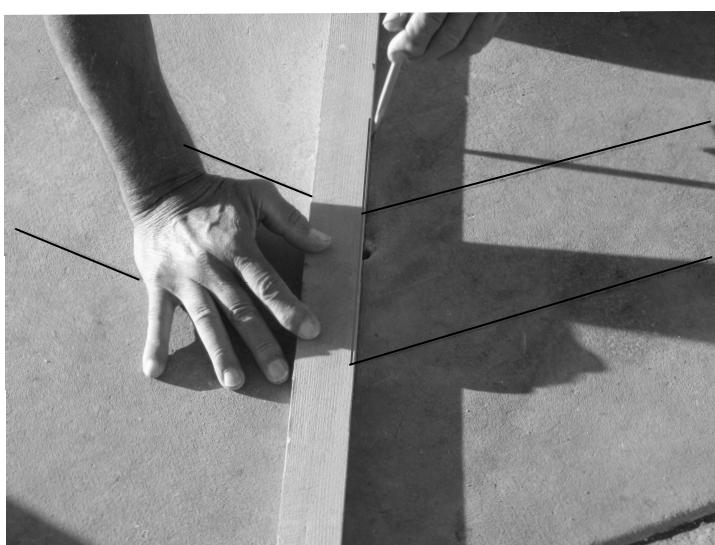
32. Sweep the dust away from drilling the holes.



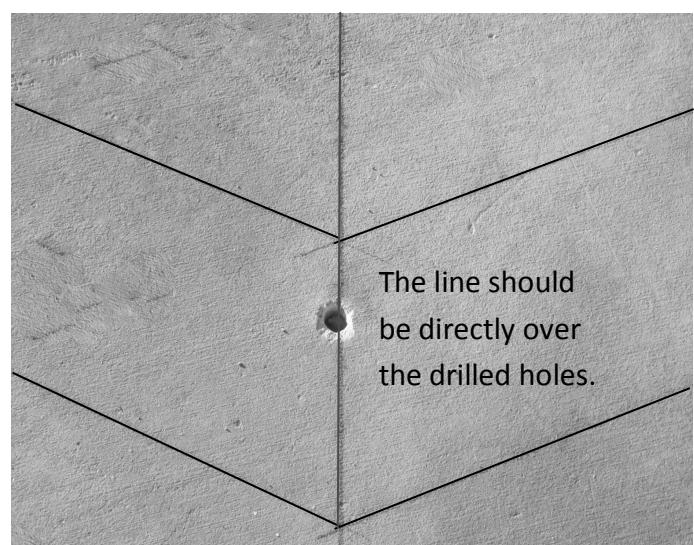
33. Drill 1-1/2" deep where you previously drilled in step 29.



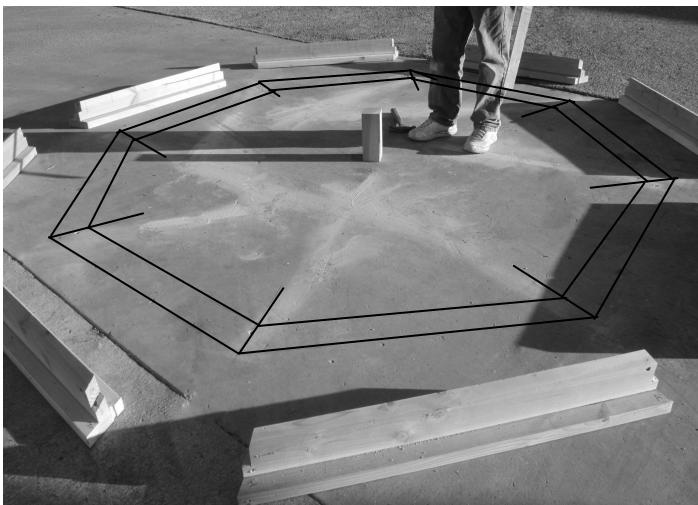
34. Sweep the dust away again.



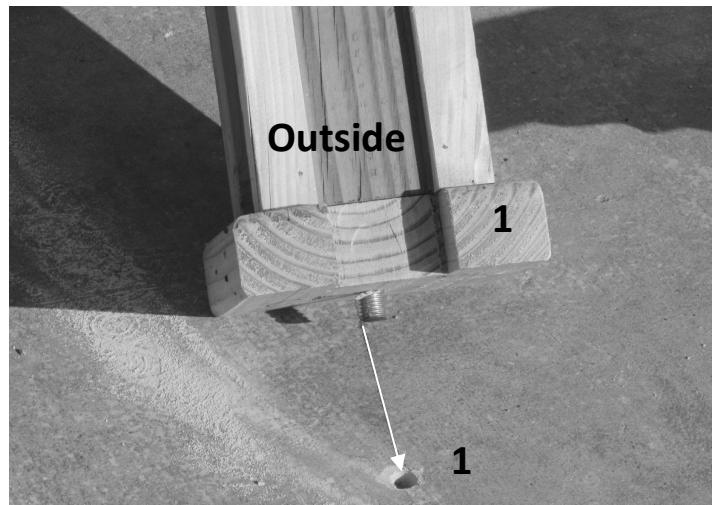
35. Draw a line with a pencil to connect the outside corners with the inside corners tracing of the headers drawn in steps 7 and 8.



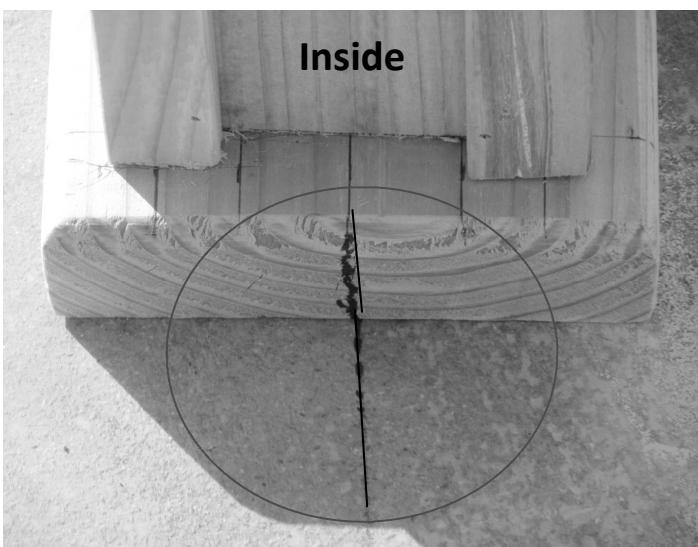
36. Repeat step 35 for the rest of the corners. This will keep you align the posts again later.



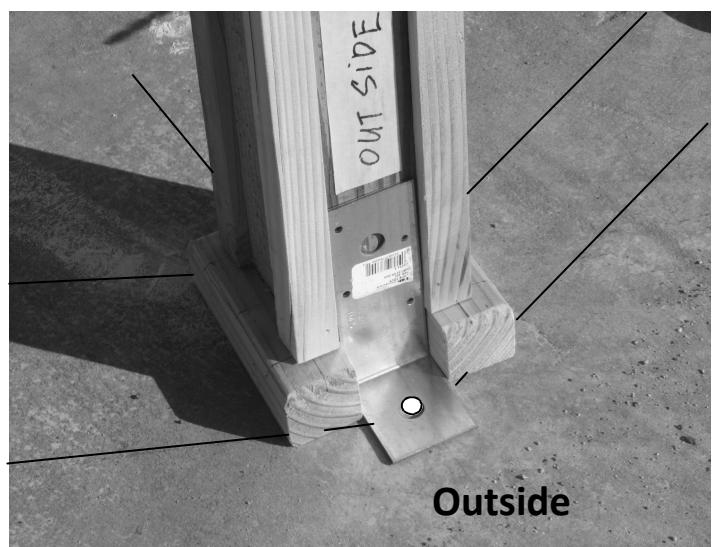
37. Start installing the posts. It is crucial that you install the right posts to the correct labeled corner.



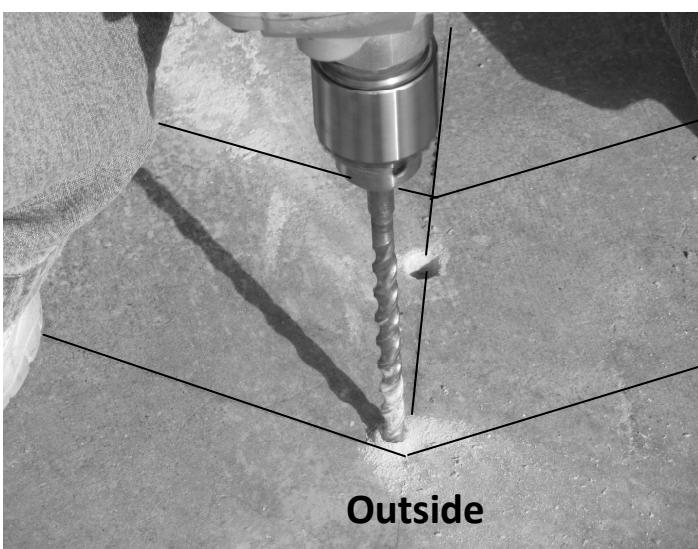
38. Let the bolt of the post base slip into the hole.



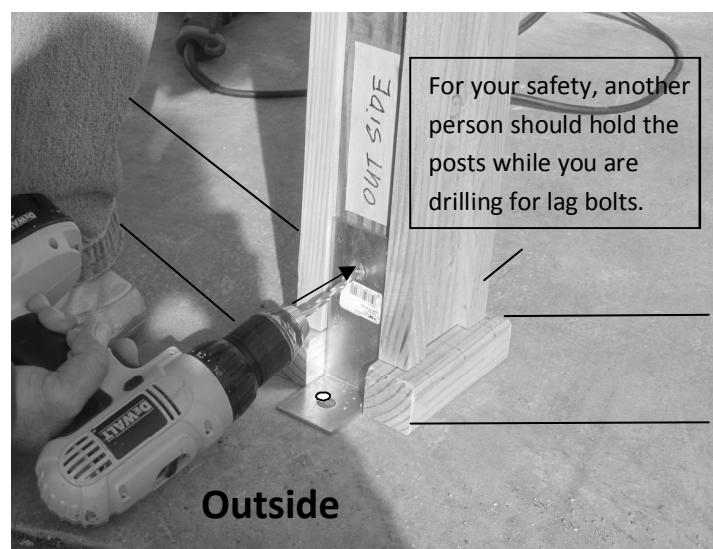
39. Align the diagonal pencil line to the center of the post base.



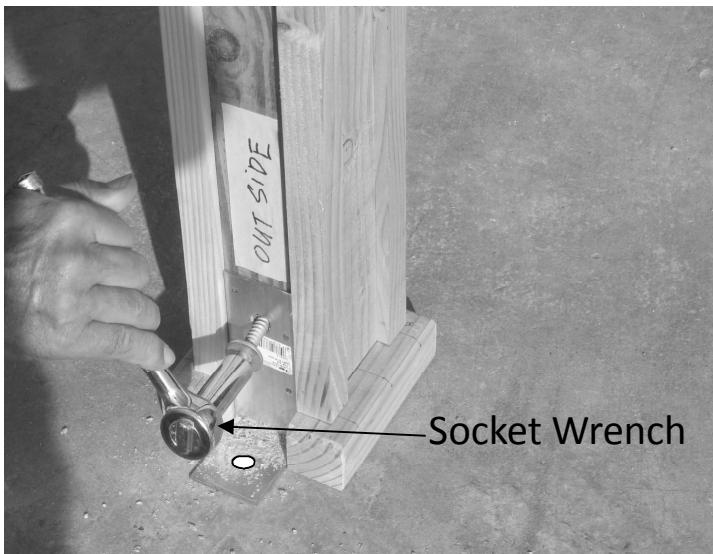
40. Attach an "L" post connector to the post and mark for a wedge anchor.



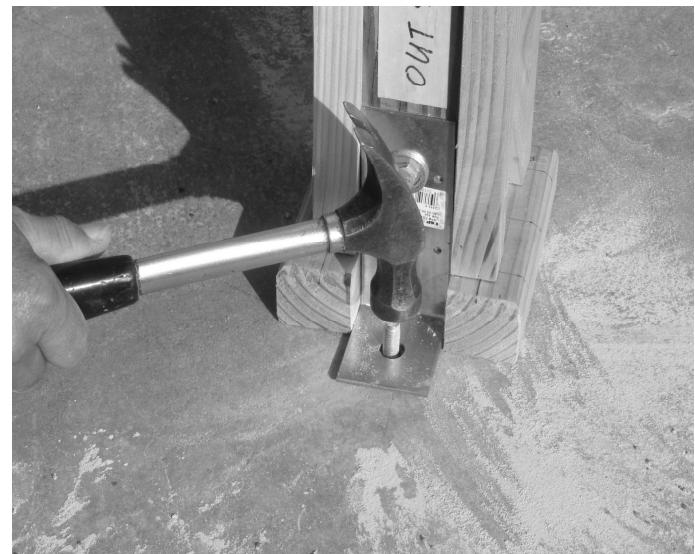
41. Set the post aside and drill for the 3/8" wedge anchor approximately 1-1/2" deep where you marked.



42. Put the post and the L post connector back where they were and drill a 1/8" ~ 3/16" hole for a 3/8" lag bolt.



43. Fasten the L post connector to the post with a lag bolt.



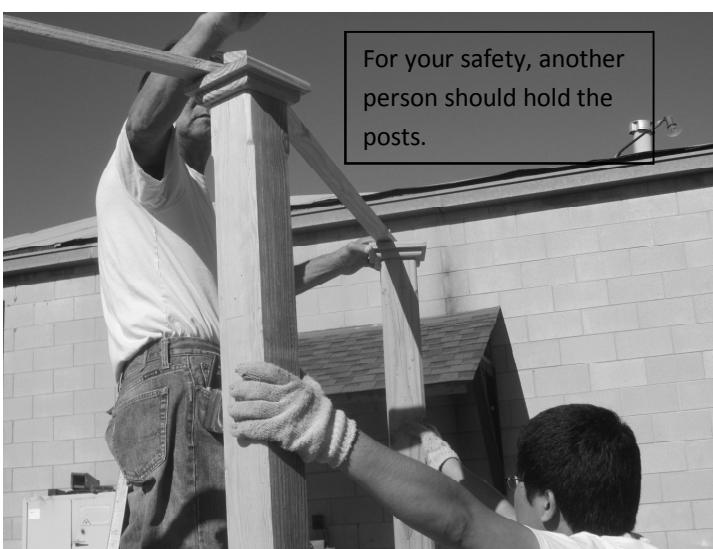
44. Insert a wedge anchor into the newly drilled hole and hammer it in.



45. Fasten down the wedge anchor with a socket wrench. Put a washer and nut to tighten it.



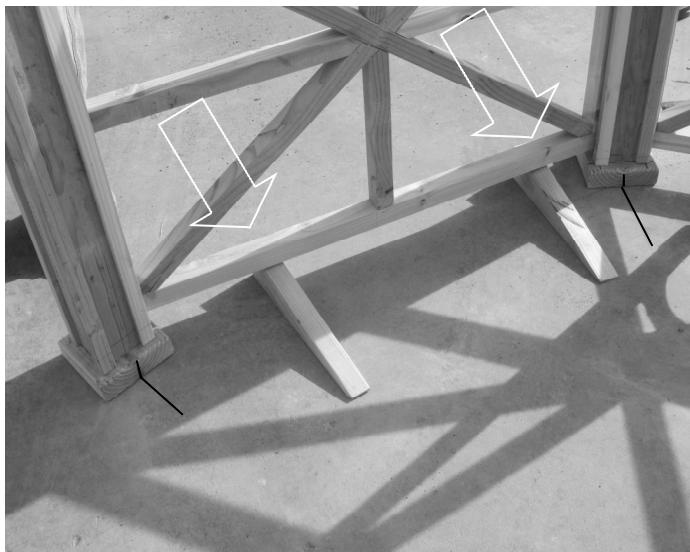
46. Go to the next post and repeat steps 38 ~ 45. Put a temporary post holder between posts as you go to the next post.



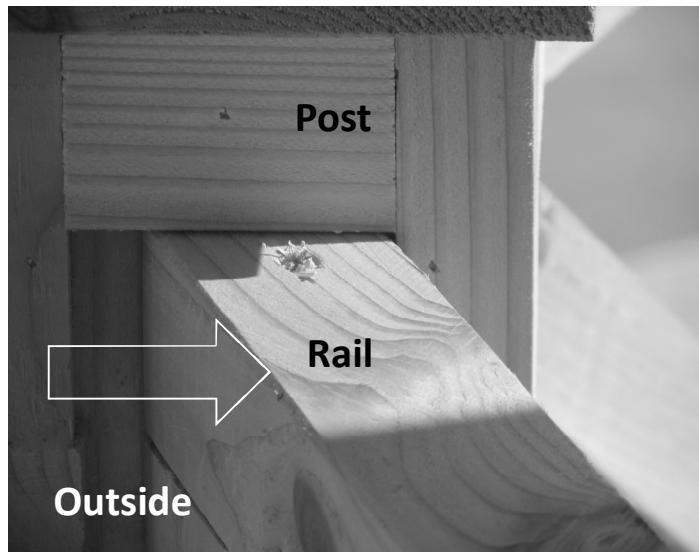
47. These post holders will prevent the posts from spreading out as you continue.



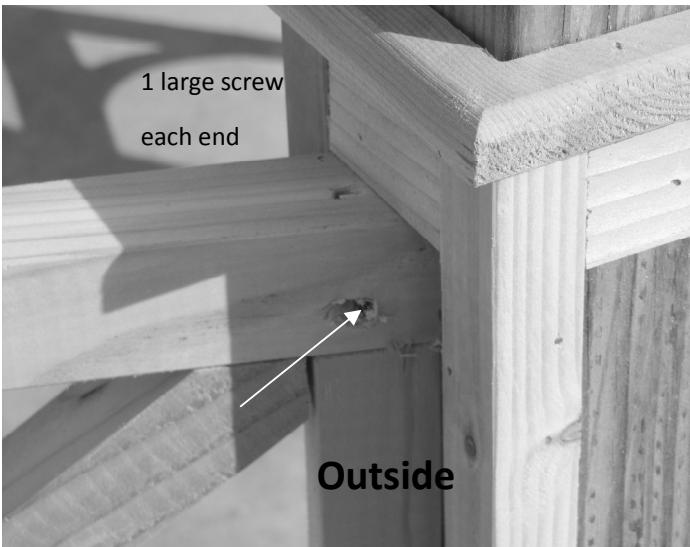
48. Install the rails as you install posts. Use your foot to hold the rail in place as you proceed to step 49.



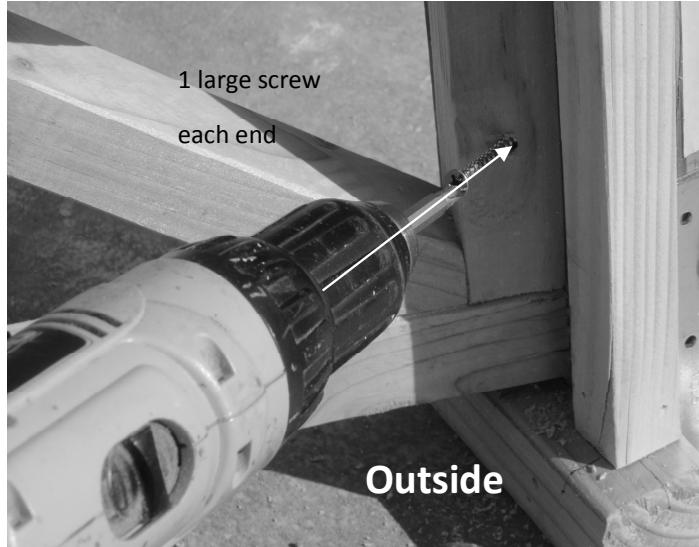
49. Hold up the rail with temporary rail holders from the outside of the base as posts.



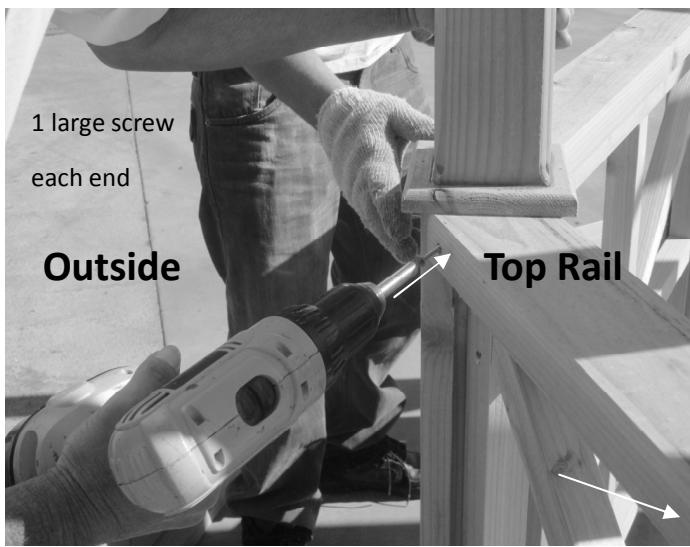
50. Push the rail to the post from the outside towards the inside of the fitting.



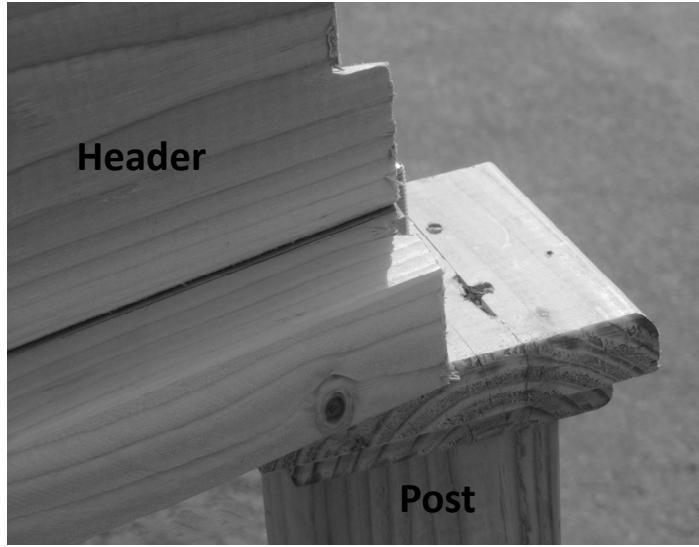
51. Fasten the rail to the post with a large screw as shown above.



52. Fasten the rail again but this time to the lower end. Repeat this process on the other side of the rail.



53. Fasten a top rail to the posts with large screws.



54. Now remove the temporary post holders and place the headers on top one at a time.

## Outside

2 large nails on each header

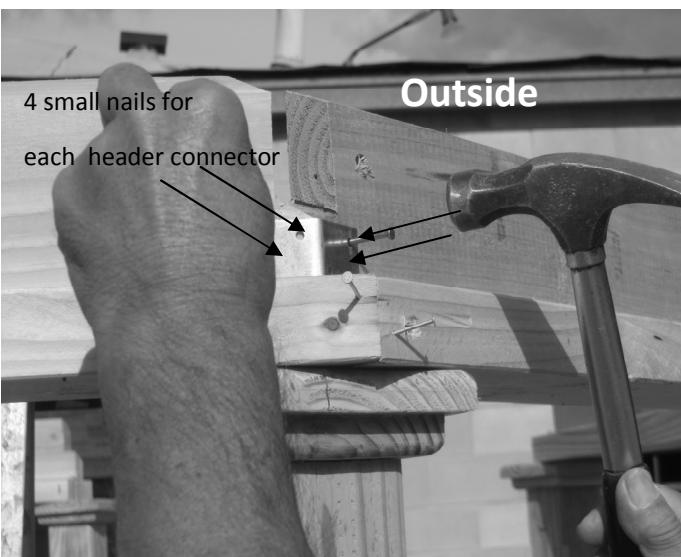


55. Temporarily fasten these headers with nails to prevent shifting while you fasten the headers with screws.



## Inside

57. Fasten down the headers with washers (large & small) and nuts. Do not fasten them too tight.

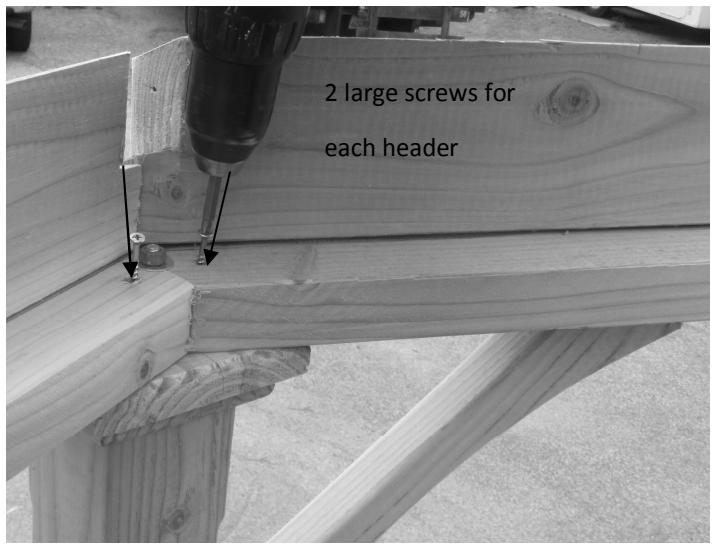


59. Fasten a header connector to each corner with small nails. Repeat this process with each corner.

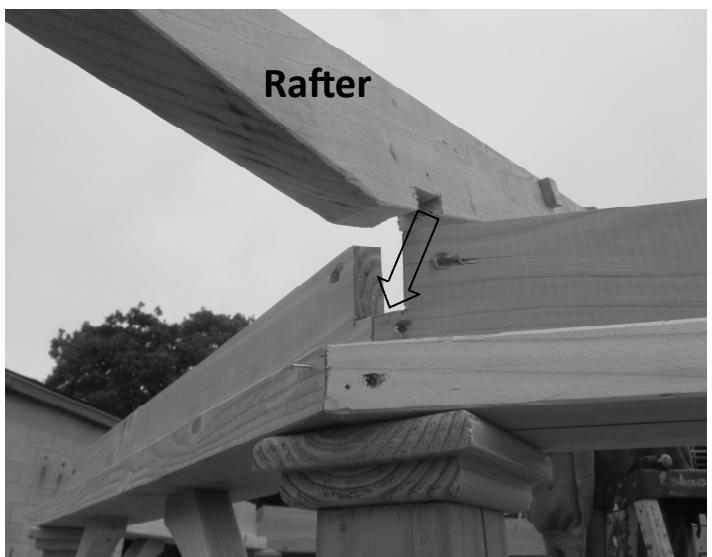
2 large screws for each header



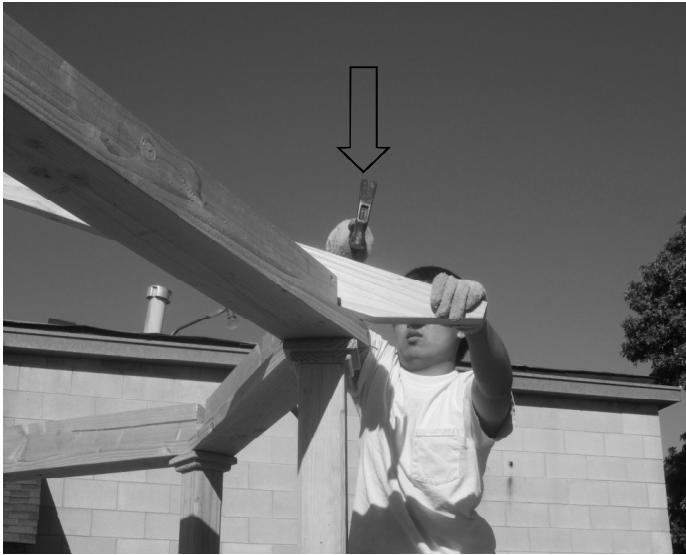
56. Now fasten the headers with large screws.



58. Fasten each header to a post with large screws.



60. Install the rafters on the ends one at a time by loosely putting them over the fittings as above.



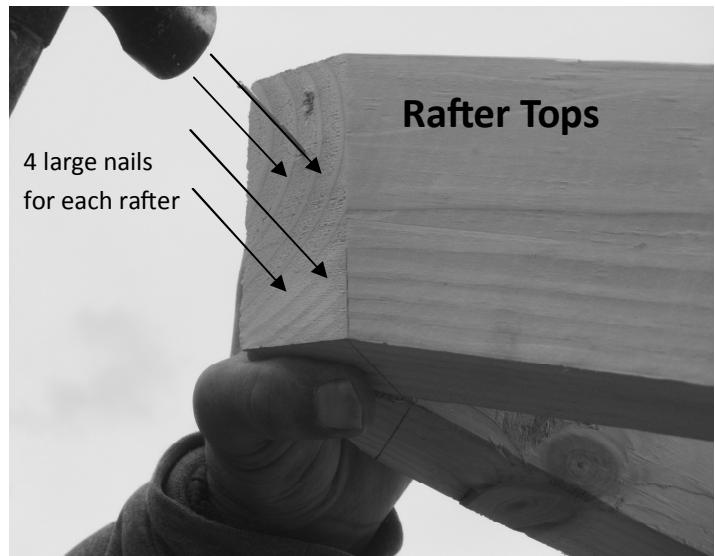
61. Hammer the rafter down into the fitting.



62. Fasten the rafter from both sides with large screws.



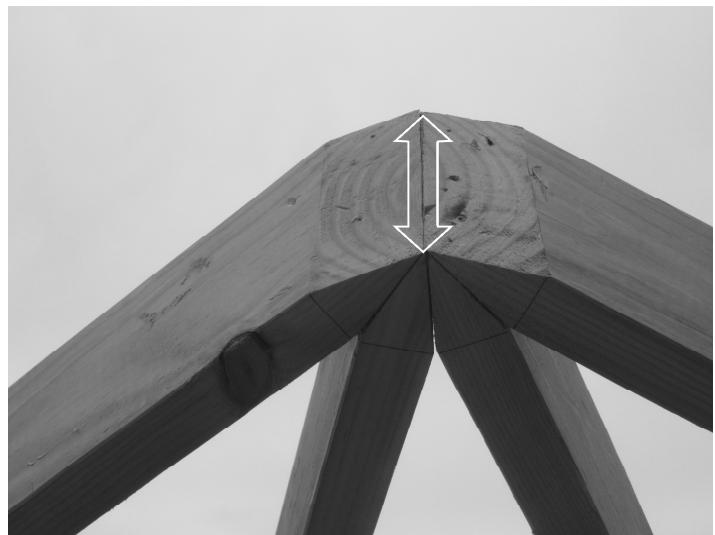
63. Install rafters one after another. Adjust rafter top positions up or down to properly align them.



64. As you do this, fasten the rafter tops with large nails. Countersink the nails for a perfect fit.



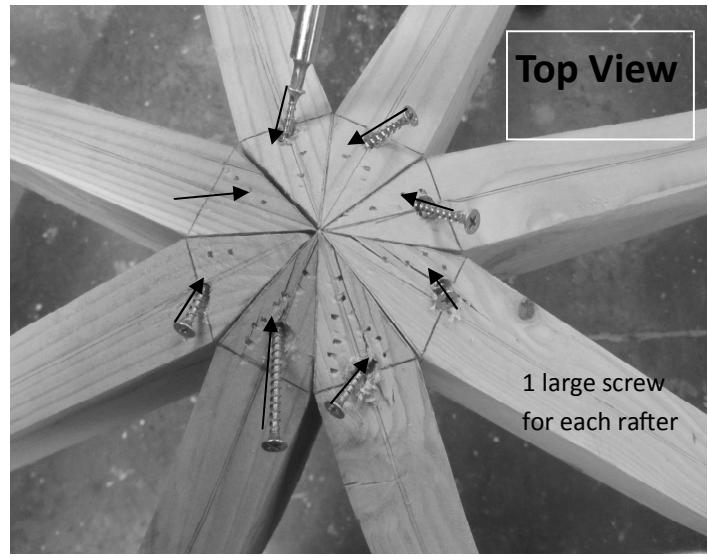
65. Fasten the rafter end from both sides with large screws.



66. Repeat steps 60 ~ 65 as you add more rafters. Adjust the rafter top positions up or down as you align the rafter tops.



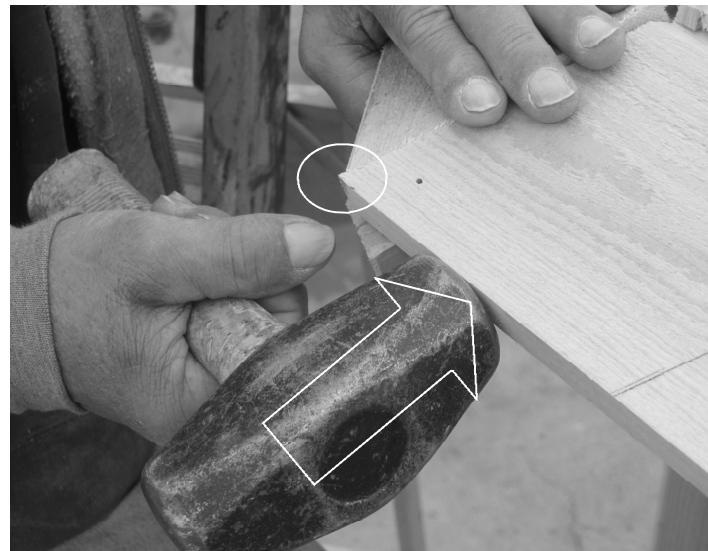
67. Upon complete installation of the rafters, they should form a perfect octagon as seen above.



68. Fasten the rafter tops to each other with large screws.



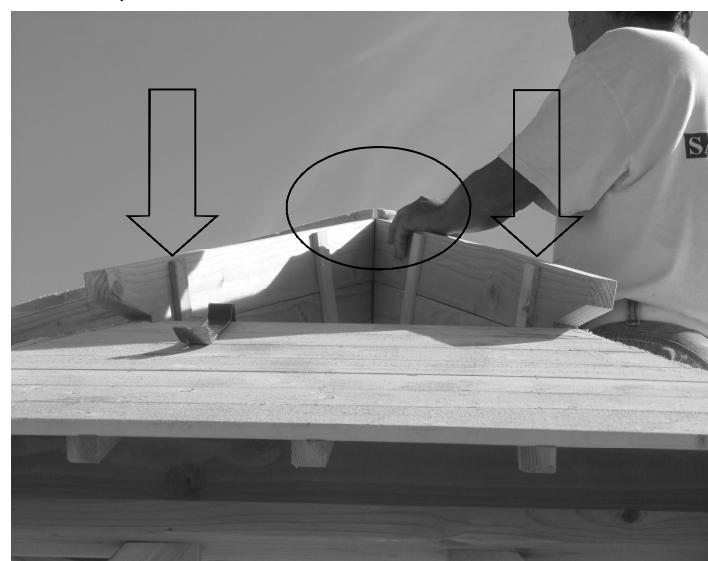
69. Now install the lower roof panels one at a time.



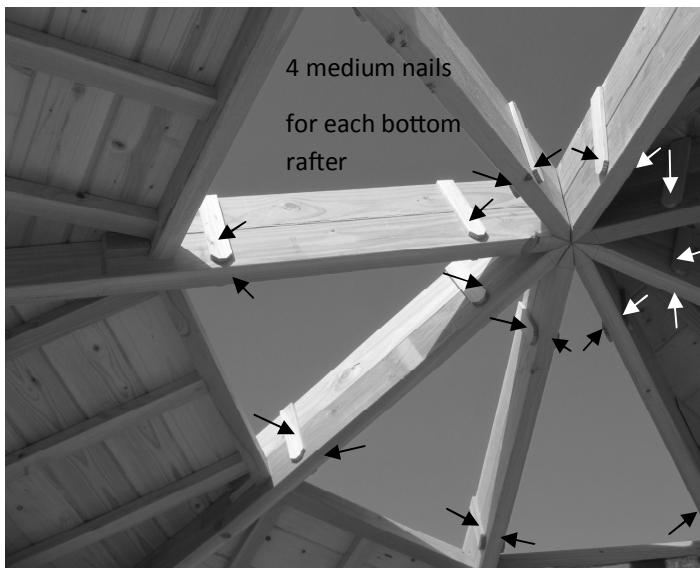
70. Gently hammer the roof ends if there are gaps in between the roof panels.



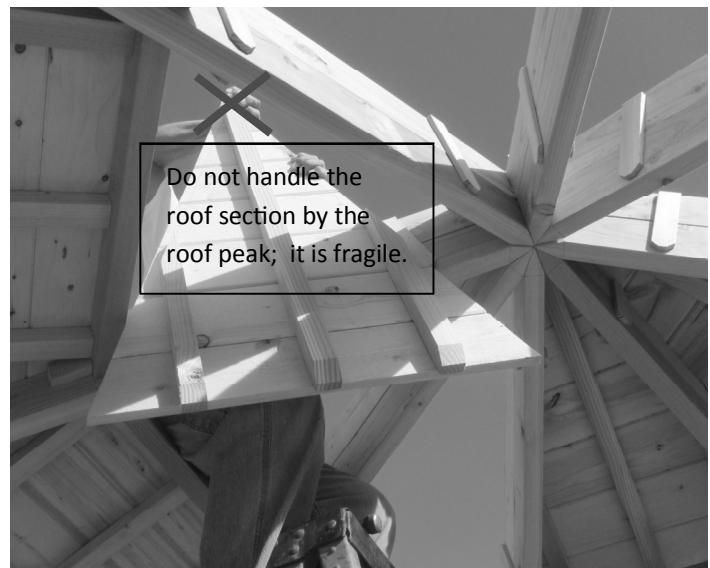
71. After the gaps are gone, fasten the roof ends with small screws.



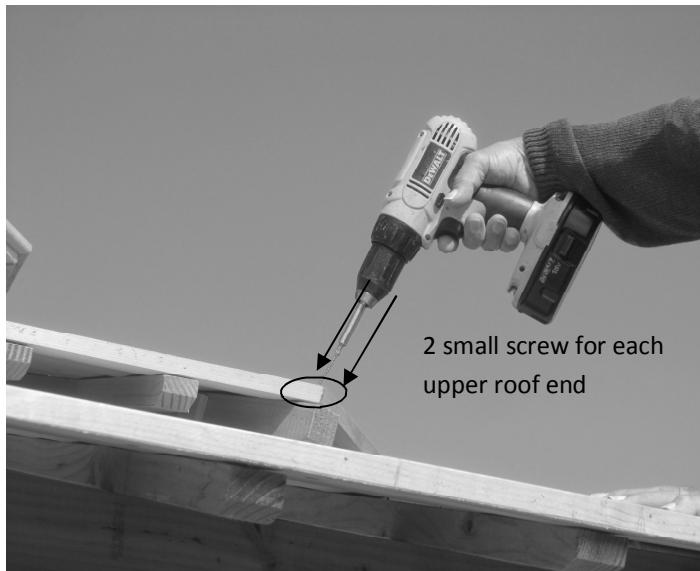
72. Install the upper rafters. Align them for a perfect fit.



73. Fasten the upper rafters to the other rafters from both sides with medium nails.



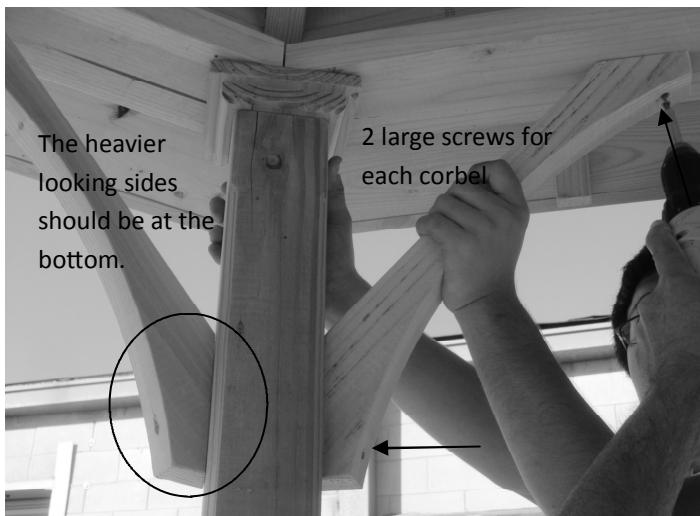
74. Install the upper roof panels with rough sides facing inwards.



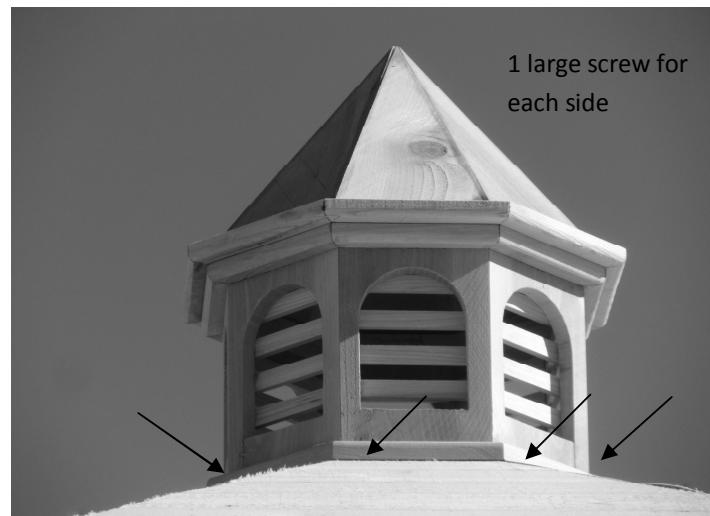
75. Gently hammer the roof ends if there are gaps in between the roof panels. Fasten the upper roof ends with small screws.



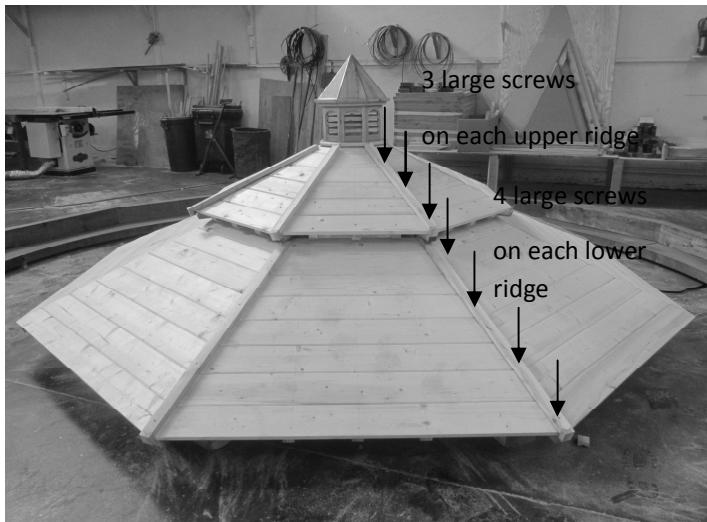
76. Fasten the roof panels with large nails.



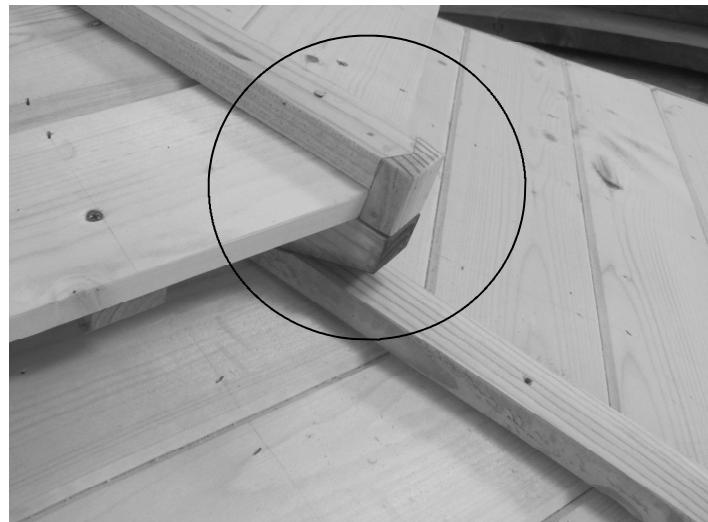
77. Now install the corbels with large screws. Remove the temporary nails from the headers from step 55.



78. Fasten an optional cupola to the rafters with large screws after installing a roofing material of your choice.



79. Fasten the temporary ridges to 1 x 6 roof panels and the rafters with large screws.



80. Be sure to properly align them. Finish and enjoy the seasons. (Remove them before you install your own roofing material.)



GAF Timberline® composite shingles are used for the gazebos above and available at local Home Depot® or roofing stores. Colors may vary depending on your zip codes. For more information, go to : <http://www.gaf.com>